(11) EP 0 742 207 B1

(12)

EUROPEAN PATENT SPECIFICATION

- (45) Date of publication and mention of the grant of the patent:
 29.08.2001 Bulletin 2001/35
- (21) Application number: 96110252.2
- (22) Date of filing: 22.06.1988

- (51) Int CI.7: **C07D 211/22**, C07D 211/26, C07D 211/76, C07D 211/34, C07D 207/09, C07D 401/06, C07D 401/12, C07D 405/12, A61K 31/445
- (54) 2-(Indan-1-one-2-yl-alkyl)-1-phenylalkyl-piperidines and processes for their preparation 4-(Indan-1-one-2-yl-alkyl)1-phenylalkyl-piperidine und Verfahren zu ihrer Herstellung 4-(Indan-1-one-2-yl-alkyl)-1-phénylalkyl-pipéridines et procédés pour leur préparation
- (84) Designated Contracting States:
 AT BE CH DE ES FR GB GR IT LI LU NL SE
- (30) Priority: 22.06.1987 JP 15505887
- (43) Date of publication of application: 13.11.1996 Bulletin 1996/46
- (62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 95104080.7 / 0 673 927 88109924.6 / 0 296 560
- (73) Proprietor: Eisai Co., Ltd. Tokyo (JP)
- (72) Inventors:
 - Sugimoto, Hachiro Tokyo (JP)
 - Tsuchiya, Yutaka
 St. Fort Lee, NJ 07024 (US)
 - Higurashi, Kunizou Tokyo (JP)
 - Karibe, Norio
 Kitasoma-gun, Ibaraki (JP)
 - Ilmura, Youlchi
 Tsukuba-shi, Ibaraki (JP)
 - Sasaki, Atsushi
 Tsukuba-shi, Ibaraki (JP)
 - Yamanishi, Yoshiharu
 Ryugasaki-shi, Ibaraki (JP)
 - Ogura, Hiroo Tsuchiura-shi, Ibaraki (JP)
 - Araki, Shin
 Kitasouma-gun, Ibaraki (JP)
 - Kosasa, Takashi
 Tsukuba-gun, Ibaraki (JP)

- Kusota, Atsuhiko
 Tsuchlura-shi, Ibaraki (JP)
- Kososa, Michiko
 Tsukuba-gun, Ibaraki (JP)
- Yamatsu, Kiyomi
 Kamakura-shi, Kanagawa (JP)
- (74) Representative:
 Hansen, Bernd, Dr. Dipi.-Chem. et al
 Hoffmann Eitle,
 Patent- und Rechtsanwälte,
 Arabeliastrasse 4
 81925 München (DE)
- (56) References cited:

EP-A- 0 042 322	EP-A- 0 112 776
EP-A- 0 207 913	EP-A- 0 229 391
EP-A- 0 236 263	DE-A- 2 021 262
DE-A- 2 633 214	US-A-3 454 565
US-A- 4 130 646	US-A- 4 254 127

- INDIAN J. CHEM., SECT. B, vol. 15B, no. 7, 1977, pages 641-644, XP002012183 GUPTA, R. C. ET. AL.: "3-Aminoacrylophenones and some related compounds: a new class of anti-inflammatory agents"
- CHEMICAL ABSTRACTS, vol. 101, no. 17, 22
 October 1984 Columbus, Ohio, US; abstract no. 151875, XP002012184 & JP-A-59 076 082
 (KYOWA HAKKO KOGYO CO.) 28 April 1984
- J. ORG. CHEM., vol. 38, no. 17, 24 August 1973, pages 3004-3011, XP000578329 R. L.
 AUGUSTINE ET. AL.: "Sythesis of alpha.-Monosubstituted indoles"
- CHEMICAL ABSTRACTS, vol. 102, no. 11, 18
 March 1985 Columbus, Ohio, US; abstract no. 95509, XP002012185 & ARCHIV. PHARM., v I. 317, no. 12, 1984, pag s 1010-1017,

Note: Within nin months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notic of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been fill d until the opposition fee has b in paid. (Art. 99(1) European Patent Convention).